



IPW

PATENT
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Cristina M. Rondinone, *et al.*

Serial No.: 10/829,512

Filed: April 22, 2004

For: METHODS OF IDENTIFYING
KINASES AND USES THEREOF

Examiner: (not assigned)

Group Art Unit: 1614

Case No.: 7068.US.01

CERTIFICATE OF MAILING (37 CFR
1.8 (a))

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the:

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450, on:

Date of Deposit: October 26, 2005

Kathleen Boettcher 10/26/05
Kathleen Boettcher Date

TRANSMITTAL LETTER

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed herewith is an Information Disclosure Statement for Cristina M. Rondinone, *et al.*, for METHODS OF IDENTIFYING KINASES AND USES THEREOF, the specification of which was filed on April 22, 2004, and received Serial No. 10/829,512.

Also enclosed are: Form PTO 1449 (in duplicate) w/sixteen (16) references
Return-receipt postcard

The Commissioner is hereby authorized to charge any additional Filing Fees required under 37 CFR 1.16, as well as any patent application processing fees under 37 CFR 1.17 associated with this communication for which full payment has not been tendered, to Deposit Account No. 01-0025. A duplicate copy of this sheet is enclosed.

Respectfully submitted,
Cristina M. Rondinone, *et al.*

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Attorney for Applicants



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INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The following information is submitted, pursuant to 37 CFR §§1.97-1.98 in accordance with Applicant's duty of disclosure under 37 CFR §1.56. This submission is not intended to constitute an admission that any patent, publication or other information cited herein is "prior art" as to the invention claimed. In accordance with 37 CFR §§1.97(g)-(h), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that other material information as defined by 37 CFR §1.56(a) exists.

Applicants submit herewith Form PTO-1449 listing the references known to them. Applicants respectfully request that the Examiner (1) initial each reference listed on the enclosed Form PTO-1449 indicating that the Examiner has considered and made those references of record in this application and (2) return a copy of the initialed Form PTO-1449 to Applicants. Copies of all cited documents have been included except any U.S. patent.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits under 37 CFR §1.97(b). Accordingly, no charge is required.

Respectfully submitted,
Cristina M. Rondinone, *et al.*

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DATE: October 26, 2005SHEET 1 of 2

Form PTO - 1449 (Modified)


 (Modified)
 PTO-1449 U.S. DEPARTMENT OF COMMERCE
 PATENT AND TRADEMARK OFFICE

 INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT

(Use several sheets if necessary)

(37 CFR 1.98 (b))

ATTY. DOCKET NO.

7068US01

SERIAL NO.

10/829,512

APPLICANT

Cristina M. Rondinone, *et al.*

FILING DATE

April 22, 2004

GROUP

1614

U.S. PATENT DOCUMENTS

EXAM. INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

EXAM. INITIAL		DOCUMENT NUMBER	PUBLI- CATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB CLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

EXAM. INITIAL		
	C1	Araki, E., <i>et al.</i> , "Alternative pathway of insulin signaling in mice with targeted disruption of the <i>IRS-1</i> gene", <i>Nature</i> , 372 :186-190 (1994)
	C2	Becker, W., <i>et al.</i> , "Molecular cloning and characterization of a novel mammalian protein kinase harboring a homology domain that defines a subfamily of serine/threonine kinases", <i>Eur. J. Biochem.</i> , 235 :736-743 (1996)
	C3	Ebashir, S.M., <i>et al.</i> , "Duplexes of 21-nucleotide RNAs mediate RNA interference in cultured mammalian cells", <i>Nature</i> , 411 :494-498 (2001)
	C4	Elbashir, S.M., <i>et al.</i> , "RNA interference is mediated by 21- and 22-nucleotide RNAs", <i>Genes & Dev.</i> , 15 :188-200 (2001)
	C5	Elbashir, S.M., <i>et al.</i> , "Analysis of gene function in somatic mammalian cells using small interfering RNAs", <i>Methods</i> , 26 :199-213 (2002)
	C6	Harboth, J., <i>et al.</i> , "Identification of essential genes in cultured mammalian cells using small interfering RNAs", <i>J. Cell. Science</i> , 114 :4557-4565 (2001)
	C7	Kerouz, N.J., <i>et al.</i> , "Differential Regulation of Insulin Receptor Substrates-1 and -2 (IRS-1 and IRS-2) and Phosphatidylinositol 3-Kinase Isoforms in Liver and Muscle of the Obese Diabetic (<i>ob/ob</i>) Mouse", <i>J. Clin. Invest.</i> , 100 (12):3164-3172 (1997)
	C8	Kertesz, N., <i>et al.</i> , "Cloning and characterization of human and mouse SNRK sucrose non-fermenting protein (SNF-1)-related kinases", <i>Gene</i> , 294 :13-24 (2002)
	C9	Pederson, T.M., <i>et al.</i> , "Serine/Threonine Phosphorylation of IRS-1 Triggers Its Degradation", <i>Diabetes</i> , 50 :24-31 (2001)
	C10	Rondinone, C.M., <i>et al.</i> , "Insulin receptor substrate (IRS) 1 is reduced and IRS-2 is the main docking protein for phosphatidylinositol 3-kinase in adipocytes from subjects with non-insulin-dependent diabetes mellitus", <i>Proc. Natl. Acad. Sci. USA</i> , 94 :4171-4175 (1997)

EXAMINER

DATE CONSIDERED

 EXAMINER: Initial citation considered. Draw line through citation if not in conformance and
 not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449)

DATE:

October 26, 2005SHEET 2 of 2

Form PTO - 1449 (Modified)

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Modified) PATENT AND TRADEMARK OFFICE

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7068US01

SERIAL NO.

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(Use several sheets if necessary)

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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

EXAM. INITIAL		DOCUMENT NUMBER	PUBLI- CATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB CLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	C11	Saad, M. J., <i>et al.</i> , "Regulation of Insulin Receptor Substrate-1 in Liver and Muscle of Animal Models of Insulin Resistance", <i>J. Clin. Invest.</i> , 90 :1839-1849 (1992)
	C12	Sambrook, <i>et al.</i> , <i>Molecular Cloning: A Laboratory Manual</i> , 2 nd Ed., (1989)
	C13	Sun, X. J., <i>et al.</i> , "Insulin-Induced Insulin Receptor Substrate-1 Degradation Is Mediated by the Proteasome Degradation Pathway", <i>Diabetes</i> , 48 :1359-1364 (1999)
	C14	Tamemoto, H., <i>et al.</i> , "Insulin resistance and growth retardation in mice lacking insulin receptor substrate-1", <i>Nature</i> , 372 :182-186 (1994)
	C15	Tuschl, T., <i>et al.</i> , "Targeted mRNA degradation by double-stranded RNA in vitro", <i>Genes & Dev.</i> , 13 :3191-3197 (1999)
	C16	Virkamäki, A., <i>et al.</i> , "Protein-protein interaction in insulin signaling and the molecular mechanisms of insulin resistance", <i>The Journ. Of Clin. Invest.</i> , 103 (7):931-943 (1999)

EXAMINER

DATE CONSIDERED

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